

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/727,311DATE: 03/13/2001  
TIME: 03:01:04

INPUT SET: S36490.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

## SEQUENCE LISTING

ENTERED

## (1) General Information:

- (i) APPLICANT: Huse, William D.
- (ii) TITLE OF INVENTION: SURFACE EXPRESSION LIBRARIES OF  
RANDOMIZED PEPTIDES
- (iii) NUMBER OF SEQUENCES: 61
- (iv) CORRESPONDENCE ADDRESS:
  - (A) ADDRESSEE: Pretty, Schroeder, Brueggemann & Clark
  - (B) STREET: 444 South Flower Street, Suite 2000
  - (C) CITY: Los Angeles
  - (D) STATE: California
  - (E) COUNTRY: United States
  - (F) ZIP: 90071
- (v) COMPUTER READABLE FORM:
  - (A) MEDIUM TYPE: Floppy disk
  - (B) COMPUTER: IBM PC compatible
  - (C) OPERATING SYSTEM: PC-DOS/MS-DOS
  - (D) SOFTWARE: PatentIn Release #1.0, Version #1.25
- (vi) CURRENT APPLICATION DATA:
  - (A) APPLICATION NUMBER: 09/727,311
  - (B) FILING DATE:
  - (C) CLASSIFICATION:
- (vii) PRIOR APPLICATION DATA:
  - (A) APPLICATION NUMBER: 07/767,436
  - (B) FILING DATE:
- (viii) ATTORNEY/AGENT INFORMATION:
  - (A) NAME: Campbell, Cathryn A
  - (B) REGISTRATION NUMBER: 31,815
  - (C) REFERENCE/DOCKET NUMBER: P31 9072
- (ix) TELECOMMUNICATION INFORMATION:
  - (A) TELEPHONE: (619) 535-9001
  - (B) TELEFAX: (619) 535-8949

## (2) INFORMATION FOR SEQ ID NO:1:

RAW SEQUENCE LISTING  
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- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 7294 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: both
  - (D) TOPOLOGY: circular

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

AATGCTACTA CTATTAGTAG AATTGATGCC ACCTTTTCAG CTCGCGCCCC AAATGAAAAT	60
ATAGCTAAAC AGGTTATTGA CCATTTGCGA AATGTATCTA ATGGTCAAAC TAAATCTACT	120
CGTTCGCAGA ATTGGGAATC AACTGTTACA TGGAATGAAA CTTCCAGACA CCGTACTTTA	180
GTTGCATATT TAAAACATGT TGAGCTACAG CACCAGATTC AGCAATTAAG CTCTAAGCCA	240
TCTGCAAAAA TGACCTCTTA TCAAAAGGAG CAATTAAAGG TACTCTCTAA TCCTGACCTG	300
TTGGAGTTTG CTTCCGGTCT GGTTCGCTTT GAAGCTCGAA TTAAAACGCG ATATTTGAAG	360
TCTTTCGGGC TTCCTCTTAA TCTTTTTGAT GCAATCCGCT TTGCTTCTGA CTATAATAGT	420
CAGGGTAAAG ACCTGATTTT TGATTTATGG TCATTCTCGT TTTCTGAACT GTTTAAAGCA	480
TTTGAGGGGG ATTCAATGAA TATTTATGAC GATTCCGCAG TATTGGACGC TATCCAGTCT	540
AAACATTTTA CTATTACCCC CTCTGGCAA ACTTCTTTTG CAAAAGCCTC TCGCTATTTT	600
GGTTTTTATC GTCGTCTGGT AAACGAGGGT TATGATAGTG TTGCTCTTAC TATGCCTCGT	660
AATTCCTTTT GGC GTTATGT ATCTGCATTA GTTGAATGTG GTATTCCTAA ATCTCAACTG	720
ATGAATCTTT CTACCTGTAA TAATGTTGTT CCGTTAGTTC GTTTTATTAA CGTAGATTTT	780
TCTTCCCAAC GTCCTGACTG GTATAATGAG CCAGTTCTTA AAATCGCATA AGGTAATTCA	840
CAATGATTAA AGTTGAAATT AAACCATCTC AAGCCCAATT TACTACTCGT TCTGGTGTTC	900
CTCGTCAGGG CAAGCCTTAT TCACTGAATG AGCAGCTTTG TTACGTTGAT TTGGGTAATG	960
AATATCCGGT TCTTGTCAAG ATTACTCTTG ATGAAGGTCA GCCAGCCTAT GCGCCTGGTC	1020
TGTACACCGT TCATCTGTCC TCTTTCAAAG TTGGTCAGTT CGGTTCCCTT ATGATTGACC	1080
GTCTGCGCCT CGTTCCGGCT AAGTAACATG GAGCAGGTCG CGGATTTCTGA CACAATTTAT	1140
CAGGCGATGA TACAAATCTC CGTTGTACTT TGTTTCGCGC TTGGTATAAT CGCTGGGGGT	1200
CAAAGATGAG TGTTTTAGTG TATTCCTTCG CCTCTTTCGT TTTAGGTTGG TGCCTTCGTA	1260

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102	CAAAGCCTCT GTAGCCGTTG CTACCCTCGT TCCGATGCTG TCTTTCGCTG CTGAGGGTGA	1380
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104	CGATCCCGCA AAAGCGGCCT TTAACCTCCT GCAAGCCTCA GCGACCGAAT ATATCGGTTA	1440
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110	TTTTTGGAGA TTTTCAACGT GAAAAAATTA TTATTCGCAA TTCCTTTAGT TGTTCTTTTC	1620
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114	TTTACTAACG TCTGGAAAGA CGACAAACT TTAGATCGTT ACGCTAACTA TGAGGGTTGT	1740
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118	TGGGTTCCTA TTGGGCTTGC TATCCCTGAA AATGAGGGTG GTGGCTCTGA GGGTGGCGGT	1860
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122	ATTCCGGGCT ATACTTATAT CAACCCTCTC GACGGCACTT ATCCGCCTGG TACTGAGCAA	1980
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124	AACCCCGCTA ATCCTAATCC TTCTCTTGAG GAGTCTCAGC CTCTTAATAC TTTCATGTTT	2040
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126	CAGAATAATA GGTTCCGAAA TAGGCAGGGG GCATTAAGTG TTTATACGGG CACTGTTACT	2100
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128	CAAGGCACTG ACCCCGTTAA AACTTATTAC CAGTACACTC CTGTATCATC AAAAGCCATG	2160
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130	TATGACGCTT ACTGGAACGG TAAATTCAGA GACTGCGCTT TCCATTCTGG CTTTAATGAA	2220
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132	GATCCATTCTG TTTGTGAATA TCAAGGCCAA TCGTCTGACC TGCCTCAACC TCCTGTCAAT	2280
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134	GCTGGCGGCG GCTCTGGTGG TGGTTCTGGT GGCGGCTCTG AGGGTGGTGG CTCTGAGGGT	2340
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138	GATTTTGATT ATGAAAAGAT GGCAAACGCT AATAAGGGGG CTATGACCGA AAATGCCGAT	2460
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140	GAAAACGCGC TACAGTCTGA CGCTAAAGGC AAACCTGATT CTGTCGCTAC TGATTACGGT	2520
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142	GCTGCTATCG ATGGTTTCAT TGGTGACGTT TCCGGCCTTG CTAATGGTAA TGGTGCTACT	2580
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144	GGTGATTTTG CTGGCTCTAA TTCCCAAATG GCTCAAGTCG GTGACGGTGA TAATTCACCT	2640
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148	TTTGTCTTTA GCGCTGGTAA ACCATATGAA TTTTCTATTG ATTGTGACAA AATAAACTTA	2760
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151		
152	TTTGCTAACA TACTGCGTAA TAAGGAGTCT TAATCATGCC AGTTCCTTTG GGTATTCCGT	2880

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154	TATTATTGCG	TTTCCTCGGT	TTCTTCTGG	TAACTTTGTT	CGGCTATCTG	CTTACTTTTC	2940
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160	TTGTTTCAGGG	TGTTTCAGTTA	ATTCTCCCGT	CTAATGCGCT	TCCCTGTTTT	TATGTTATTC	3120
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162	TCTCTGTAAA	GGCTGCTATT	TTCAATTTTG	ACGTAAACA	AAAAATCGTT	TCTTATTTGG	3180
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164	ATTGGGATAA	ATAATATGGC	TGTTTATTTT	GTAAGTGGCA	AATTAGGCTC	TGGAAAGACG	3240
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166	CTCGTTAGCG	TTGGTAAGAT	TCAGGATAAA	ATTGTAGCTG	GGTGCAAAAT	AGCAACTAAT	3300
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168	CTTGATTTAA	GGCTTCAAAA	CCTCCCGCAA	GTCGGGAGGT	TCGCTAAAAC	GCCTCGCGTT	3360
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170	CTTAGAATAC	CGGATAAGCC	TTCTATATCT	GATTTGCTTG	CTATTGGGCG	CGGTAATGAT	3420
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172	TCCTACGATG	AAAATAAAAA	CGGCTTGCTT	GTTCTCGATG	AGTGC GG TAC	TTGGTTTAAAT	3480
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174	ACCCGTTCTT	GGAATGATAA	GGAAAGACAG	CCGATTATTG	ATTGGTTTCT	ACATGCTCGT	3540
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176	AAATTAGGAT	GGGATATTAT	CTTCCTTGTT	CAGGACTTAT	CTATTGTTGA	TAAACAGGCG	3600
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178	CGTTCTGCAT	TAGCTGAACA	TGTTGTTTAT	TGTCGTCGTC	TGGACAGAAT	TACTTTACCT	3660
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184	ACTGGTAAGA	ATTTGTATAA	CGCATATGAT	ACTAAACAGG	CTTTTTCTAG	TAATTATGAT	3840
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186	TCCGGTGTTT	ATTCTTATTT	AACGCCTTAT	TTATCACACG	GTCGGTATTT	CAAACCATTA	3900
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188	AATTTAGGTC	AGAAGATGAA	GCTTACTAAA	ATATATTTGA	AAAAGTTTTC	ACGCGTTCTT	3960
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190	TGTCTTGCGA	TTGGATTGTC	ATCAGCATTT	ACATATAGTT	ATATAACCCA	ACCTAAGCCG	4020
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192	GAGGTAAAAA	AGGTAGTCTC	TCAGACCTAT	GATTTTGATA	AATTC ACTAT	TGACTCTTCT	4080
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194	CAGCGTCTTA	ATCTAAGCTA	TCGCTATGTT	TTCAAGGATT	CTAAGGGAAA	ATTAATTAAT	4140
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196	AGCGACGATT	TACAGAAGCA	AGGTTATTCA	CTCACATATA	TTGATTTATG	TACTGTTTCC	4200
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198	ATTAAAAAGG	TAATTC AAAT	GAAATTGTTA	AATGTAATTA	ATTTTGTTTT	CTTGATGTTT	4260
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200	GTTTCATCAT	CTTCTTTTGC	TCAGGTAATT	GAAATGAATA	ATTCGCCTCT	GCGCGATTTT	4320
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202	GTAAGTTGGT	ATTC AAAGCA	ATCAGGCGAA	TCCGTTATTG	TTTCTCCCGA	TGTAAAAGGT	4380
203							
204	ACTGTTACTG	TATATTCATC	TGACGTTAAA	CCTGAAAATC	TACGCAATTT	CTTTATTTCT	4440
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210	GATAATTCCG	CTCCTTCTGG	TGGTTTCTTT	GTTCCGCAAA	ATGATAATGT	TACTCAAAC	4620
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212	TTTAAAATTA	ATAACGTTCT	GGCAAAGGAT	TTAATACGAG	TTGTGCAATT	GTTTGTAAG	4680
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214	TCTAATACTT	CTAAATCCTC	AAATGTATTA	TCTATTGACG	GCTCTAATCT	ATTAGTTGTT	4740
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218	ACTGACCAGA	TATTGATTGA	GGGTTTGATA	TTTGAGGTTT	AGCAAGGTGA	TGCTTTAGAT	4860
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220	TTTTCATTTG	CTGCTGGCTC	TCAGCGTGGC	ACTGTTGCAG	GCGGTGTTAA	TACTGACCGC	4920
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222	CTCACCTCTG	TTTTATCTTC	TGCTGGTGGT	TCGTTGCGTA	TTTTTAATGG	CGATGTTTTA	4980
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224	GGGCTATCAG	TTCGCGCATT	AAAGACTAAT	AGCCATTCAA	AAATATTGTC	TGTGCCACGT	5040
225							
226	ATTCTTACGC	TTTCAGGTCA	GAAGGGTTCT	ATCTCTGTTG	GCCAGAATGT	CCCTTTTATT	5100
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228	ACTGGTCGTG	TGACTGGTGA	ATCTGCCAAT	GTAAATAATC	CATTTTCAGAC	GATTGAGCGT	5160
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230	CAAAATGTAG	GTATTTCCAT	GAGCGTTTTT	CCTGTTGCAA	TGGCTGGCGG	TAATATTGTT	5220
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232	CTGGATATTA	CCAGCAAGGC	CGATAGTTTG	AGTTCTTCTA	CTCAGGCAAG	TGATGTTATT	5280
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234	ACTAATCAAA	GAAGTATTGC	TACAACGGTT	AATTTGCGTG	ATGGACAGAC	TCTTTTACTC	5340
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258	GCGCCCAATA	CGCAAACCGC	CTCTCCCCGC	GCGTTGGCCG	ATTCATTAAT	GCAGCTGGCA	6060

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**SEQUENCE VERIFICATION REPORT**  
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Original Text